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APPLICATION NO. FILING DATE		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/945,002	09/945,002 08/31/2001		Paul W. Dent	4015-980	1823		
24112	7590	04/04/2006		EXAM	EXAMINER		
COATS &	BENNE	TT, PLLC	BURD, KEVI	BURD, KEVIN MICHAEL			
P O BOX 5 RALEIGH,	NC 276	602	ART UNIT	PAPER NUMBER			
,				2611			
			DATE MAILED: 04/04/200	6			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	on No.	Applicant(s)					
		09/945,0	02	DENT, PAUL W.					
	Office Action Summary	Examine	r	Art Unit					
		Kevin M.	Burd	2611					
Period fo	The MAILING DATE of this commu or Reply	nication appears on th	e cover sheet with th	e correspondence ad	ldress				
WHIC - External after - If NC - Failu Any	ORTENED STATUTORY PERIOD IN CHEVER IS LONGER, FROM THE IN Insions of time may be available under the provision SIX (6) MONTHS from the mailing date of this comperiod for reply is specified above, the maximum size to reply within the set or extended period for reply preceived by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	MAILING DATE OF THE STATE OF TH	HIS COMMUNICATI vent, however, may a reply be vill expire SIX (6) MONTHS folication to become ABANDO	ION. e timely filed rom the mailing date of this c DNED (35 U.S.C. § 133).					
Status									
1)[🛛	Responsive to communication(s) fil	ed on 23 January 200	)6.						
2a)□	This action is FINAL.	2b)⊠ This action is r	<del></del>						
3)	Since this application is in condition	•—		prosecution as to the	e merits is				
<i>,</i> —	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)🖂	Claim(s) <u>1-41</u> is/are pending in the application.								
,	4a) Of the above claim(s) is/are withdrawn from consideration.								
5)🖂	Claim(s) <u>1-13 and 31-41</u> is/are allowed.								
6)🖂	Claim(s) 14 is/are rejected.								
7)🖂	Claim(s) <u>15-30</u> is/are objected to.								
8)□	Claim(s) are subject to restriction and/or election requirement.								
Applicat	on Papers								
9)[	The specification is objected to by the	ne Examiner.							
10)	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority (	ınder 35 U.S.C. § 119								
•	Acknowledgment is made of a claim  All b) Some * c) None of:  1. Certified copies of the priority			∂(a)-(d) or (f).					
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
	application from the Internati	onal Bureau (PCT Ru	le 17.2(a)).						
* (	See the attached detailed Office acti	on for a list of the cert	ified copies not rece	eived.					
Attachmen	• •		<b></b>	(57.0.440)					
1) X Notic 2) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (	PTO-948)	4) Interview Summ Paper No(s)/Ma						
3) 🔲 Infori	mation Disclosure Statement(s) (PTO-1449 or r No(s)/Mail Date			al Patent Application (PT	O-152)				

Application/Control Number: 09/945,002

Art Unit: 2611

1. This office action, in response to the amendment filed 1/23/2006, is a non-final office action.

### Response to Arguments

- 2. Applicant's arguments regarding claims 1-13 and 30-41, filed 1/23/2006 have been fully considered and are persuasive. The rejections of these claims have been withdrawn.
- 3. Applicant's arguments with respect to claim 14 have been considered but are most in view of the new ground of rejection.

# Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claim 14 is rejected under 35 U.S.C. 102(e) as being anticipated by Kong et al (US 2002/0067761).

Regarding claim 14, Kong discloses a method of processing received signals from a plurality of mobile terminals in a diversity receiving system using the receiver

shown in figure 2(a). Each of the antennas receive composite signals and each of the composite signals comprise a plurality of user signals (paragraph 0024). The received signals are despread to obtain the separate user signals as shown in figure 2(a). The separate user signals are input to a MAI channel 28 and MRC using channel gain estimate 30. These elements comprise a central processor. The separate user signals are combined so as to remove the interference due to symbols transmitted from other terminals as well as any other noise present (paragraph 0027).

## Allowable Subject Matter

Claims 1-13 and 31-41 are allowed.

Claims 15-30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Burd whose telephone number is (571) 272-3008. The examiner can normally be reached on Monday - Friday 9 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 09/945,002 Page 4

Art Unit: 2611

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin M. Burd 3/30/2006

KEVIN BURD
PRIMARY EXAMINER